

2004 ANNUAL REPORT ENGINEERING DEPARTMENT

The following is a brief summary of the projects, developments, and day to day operations of the West Lafayette City Engineer's Office.

Road Projects:

- Kalberer Road: The design phase was completed in early spring and the project was bid by INDOT in June. Reith-Riley was the successful bidder, and work began in September. Work progressed smoothly with underground utilities. A pavement re-design was necessary due to the deteriorated condition of the asphalt. This process delayed construction and work was stopped until the Spring of 2005. Change Order #1 (\$211,000.00) contained additional construction time (June 30' 2004) and all work necessary to rebuild the lanes rather than the original patching.
- Tapawingo South: Design progressed to the Tracings submittal. Geotechnical reports have been completed and are currently being reviewed by INDOT. Land Acquisition is underway with one R/W parcel and a railroad easement needed. The project is anticipated to have a Spring 2005 letting date with construction lasting for approximately 1 year.
- Transportation Improvement Program: A great deal of progress has been made in the development of the 20 year transportation plan for the Purdue area. A ring road concept has been developed and will be going through the process to be amended into the TIP in the first half of 2005.
- Lindberg Road: The city has been monitoring the settlement of the roadway by taking monthly elevations of several locations through the fill area. The elevations have shown that some areas have moved as much as 2 ½". At this time, it does not appear that the piers have settled, but rather the fill material between the piers. A solution has not yet been reached, and the city awaits the results of investigations by the FHWA and INDOT.
- Cumberland Extension: Tippecanoe County has hired American Consulting. We have provided some initial input, and have asked to be an active participant in the scoping of the project.
- South Salisbury Improvements: Curbs, sidewalks, drives & resurfacing.
- Street Re-Surfacing – 2004: Completed apprx. 15 streets
- Street Re-Surfacing – 2005: Prepared plans for apprx. 25 streets

Sidewalk Projects:

- Sagamore West: The engineering department provided input and assistance in the development of plans for sidewalk repairs along Sagamore West and the surrounding area. A master plan was developed by Steve Hardesty, Hawkins Environmental, and that plan has been used to identify target areas for future projects.
- Salisbury Street: Plans for spot repairs for sidewalks along Salisbury Street were delayed to permit additional time for review and combination with other design criteria and safety aspects. Plans are in early design stages to provide code

compliant accessible ramps and improve the overall safety for pedestrians. Enhanced school cross-walks, greater separation between curb and sidewalk, and relocation of utility poles are some of the major goals of the project.

Additionally, some driveways and retaining walls will be potentially impacted by the scope of the work.

- Sycamore Lane: The lack of sidewalks on the secondary arterial was pointed out in the Sagamore West master plan. Speed counts verified that a conflict exists between motorists and pedestrians. The engineering department is working plans and application for a Hazard Elimination Safety grant from the FHWA. These funds could potentially cover 90% of the project cost, and provide traffic calming measures and sidewalks.

Planned Developments:

- Hilltop PD
- McCormick Place PD
- Chauncey Townhouses PD
- Chauncey Square PD
- State Street Towers PD
- Villa on Pierce Street PD
- Tower of Ivory PD
- Westminster Village PD
- Catherwood Gardens PD
- Chipotle Mexican Grill PD
- West Lafayette Library PD
- Wabash Village PD
- Lauren Lakes PD

Sewers & Drainage:

- Western Interceptor
- Plaza Park Drain (Michaud-Sinninger Study)
- Cuppy-McClure Drain
- Pritsker Pond
- NPDES Phase II Implementation

Building Projects:

- Ed-An (Jewel-Osco)
- Greentree Patio Homes
- Walmart Expansion
- City Hall Space Plan
- Cook Biotech
- Chao Center
- International Fitness Center
- Purdue Tech Center Expansion
- Sikorski / Butler Engineering
- Puccinni's

Subdivisions:

- Amberleigh Village
- Arbor Chase
- St. Joseph Court
- Prophets Ridge
- Appleridge & Orchard
- Wake Robin

Building Permits:

- 412 building permits (through Nov. 2004)
- Record year. (Since 1978)
- Total Constructed Dollar Value - \$46,300,000

Plan Reviews:

- 328 plan reviews (through Nov. 2004)

Inspections:

- 1563 inspections (through Nov. 2004)

Neighborhood Parking Permits:

- Zone 1 – 174 issued
- Zone 2 – 16 issued

Other:

- City Standards and Policy Manual – Completed draft copy for distribution, review and comment
- Traffic Counts – Multiple counts taken for APC and City requested locations
- Speed Counts – Completed numerous speed count studies and evaluations.
(Sycamore, Covington, Hamilton, Brown, Manchester, Browning, & Lindberg)